

XP-002244230

AN - 1984-275162 [44]

AP - SU19833535904 19830106

CPY - VORM

DC - M14

DR - 1698-U 1711-U 1724-U 1819-U 1939-U

FS - CPI

IC - C09K13/04 ; C23F1/00

IN - FALCHENKO N V; NIKITINA L A; SHAINSKII M E

MC - M14-A

PA - (VORM) VOROSH MECH ENG

PN - SU1079698 A 19840315 DW198444 005pp

PR - SU19833535904 19830106

XA - C1984-116660

XIC - C09K-013/04 ; C23F-001/00

AB - SU1079698 The proposed soln. contains (in wt.%): orthophosphoric acid (s.g 1.7g/cu cm) 1.4-1.6, HNO₃ (s.g 1.4g/cu.cm) 0.9-1.1, ferric chloride 0.9-1.1, K bifluoride 0.3-0.5, sodium perborate 0.5-0.7 and water the remainder.

- Orthophosphoric and nitric acids form oxidising-activating mixt., ensuring continuous dissolution of micro-protrusions on the treated metal surface and polishing of its micro-relief.

- Ferric chloride and potassium bifluoride are used as activators, acting on resistant oxide film formed on Al and Al alloy surfaces.

- Tests show that good quality metal surfaces are obtd. in very short time (45-50 min) during vibro-abrasive treatment of Al or Al alloy details.

- USE/ADVANTAGE - As soln. for vibro-abrasive polishing of Al and Al alloys surfaces.

- The time of treatment is shortened by 3-5 times in comparison with the known solns. Bul.10/15.3.84 (5pp Dwg.No.0/0)

IW - ALUMINIUM ALLOY CHEMICAL TREAT SOLUTION CONTAIN ORTHOPHOSPHORIC ACID
NITRIC ACID FERRIC CHLORIDE CALCIUM BI FLUORIDE SODIUM PER BORATE WATER

IKW - ALUMINIUM ALLOY CHEMICAL TREAT SOLUTION CONTAIN ORTHOPHOSPHORIC ACID
NITRIC ACID FERRIC CHLORIDE CALCIUM BI FLUORIDE SODIUM PER BORATE WATER

INW - FALCHENKO N V; NIKITINA L A; SHAINSKII M E

NC - 001

OPD - 1983-01-06

ORD - 1984-03-15

PAW - (VORM) VOROSH MECH ENG

TI - Aluminium alloy chemical treatment soln. - contains orthophosphoric acid, nitric acid, ferric chloride, calcium bi:fluoride, sodium per:borate and water